

***FlyBy Math™* Alignment to
Wyoming Mathematics Content and Performance Standards
Adopted July 7, 2003**

Content Standard 1: Number Operations and Concepts

Students use numbers, number sense, and number relationships in a problem-solving situation.

Benchmark	<i>FlyBy Math™</i> Activities
3. Students explain their choice of estimation and problem-solving strategies and justify results in problem-solving situations involving rational numbers.	--Explain and justify solutions regarding the motion of two airplanes using the results of plotting points on a schematic of a jet route, on a vertical line graph, and on a Cartesian coordinate system.

Content Standard 2: Geometry

Students apply geometric concepts, properties, and relationships in problem-solving situations.

Benchmark	<i>FlyBy Math™</i> Activities
4. Students communicate the reasoning used in identifying geometric relationships in problem-solving situations appropriate to grade level.	--Explain and justify solutions regarding the motion of two airplanes using the results of plotting points on a schematic of a jet route, on a vertical line graph, and on a Cartesian coordinate system.

Content Standard 4: Algebra

Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation.

Benchmark	<i>FlyBy Math™</i> Activities
3. Students evaluate algebraic expressions and formulas given integer values for variables.	--Use the distance-rate-time formula to predict and analyze aircraft conflicts.
4. Using simple linear equations, students create a table, and graph the solutions on the coordinate system.	--Represent distance, speed, and time relationships for constant speed cases using linear equations and a Cartesian coordinate system.

Content Standard 5: Data Analysis and Probability

Students use data analysis and probability to analyze given situations and the results of experiments.

Benchmark	<i>FlyBy Math™</i> Activities
1. Students systematically collect, organize, and describe, analyze, and represent data using tables, charts, diagrams, and graphs.	--Conduct simulation and measurement for several aircraft conflict problems. --Represent distance, rate, and time data using tables, line plots, bar graphs, and line graphs.